

Figure 1

[SEQ ID No. 1]

MGPNDHGFAYILIFLLLSPPTHANRDANRLFEDLIADYNKLVVPVSE47

NGETLVVTFKLKLSQLLDVHEKNQIMTTNVWLQHSWMDYKLRWDPVE94

YGGVEVLYVPSDTIWLPDVVLYNNADGNYQVTIMTKAKLTYNQTVZW141

APPAIYKSMCQIDVEFFPFDRQQCEMFGSWTYGGLEVDLQHRDKHL188

EKEIEEDVEGVDGPTKEIVWVDRGIDLSDYPPSVEWDILNVPGKPH235

SKRYPCCESPFDITYEIHLLRRKTLFYTVNLIFPSVGISFLTALVFFY282

LPSDGGGEKISLCISILISLTVFFLLLVETIPSTSLVIPLIGKYLLFT329

MVLVTLSVVVTVVTLNVFYRSPTTHTMPKWMKPLFVDFLPKYLLMTR376

PQPPGHHKPNRKFDSPASTFSIGVNHVLGQNSELLSPGLNSNREES423

SFTLPRDNSPVRSAVESVAYIADHLKNEEDDKQVIEDWKYISVVMDR470

IFLITFTFACAFGTVVVIARAPSIYDNTPALA 502

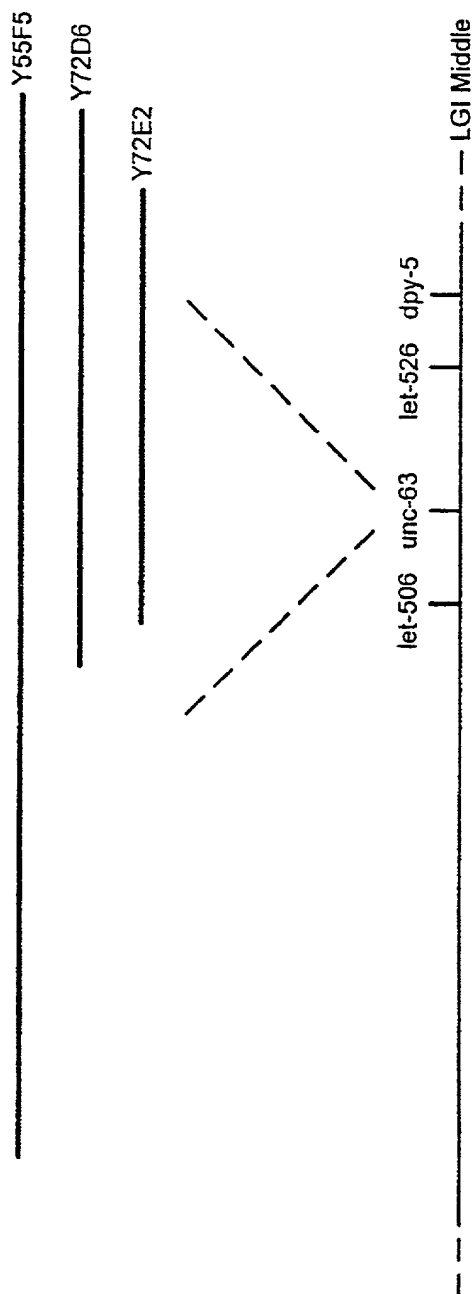


FIG. 2

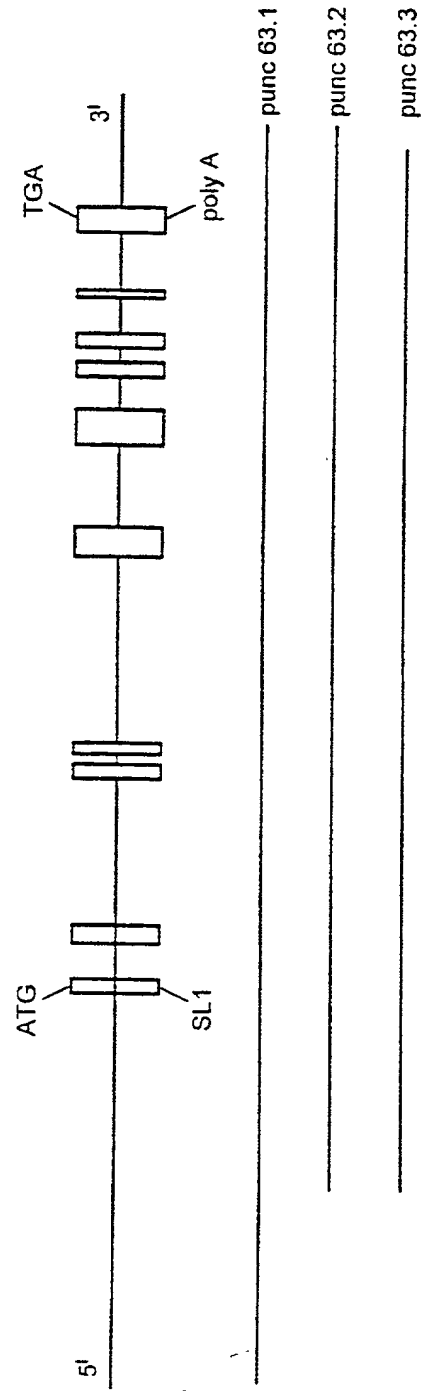


FIG. 3

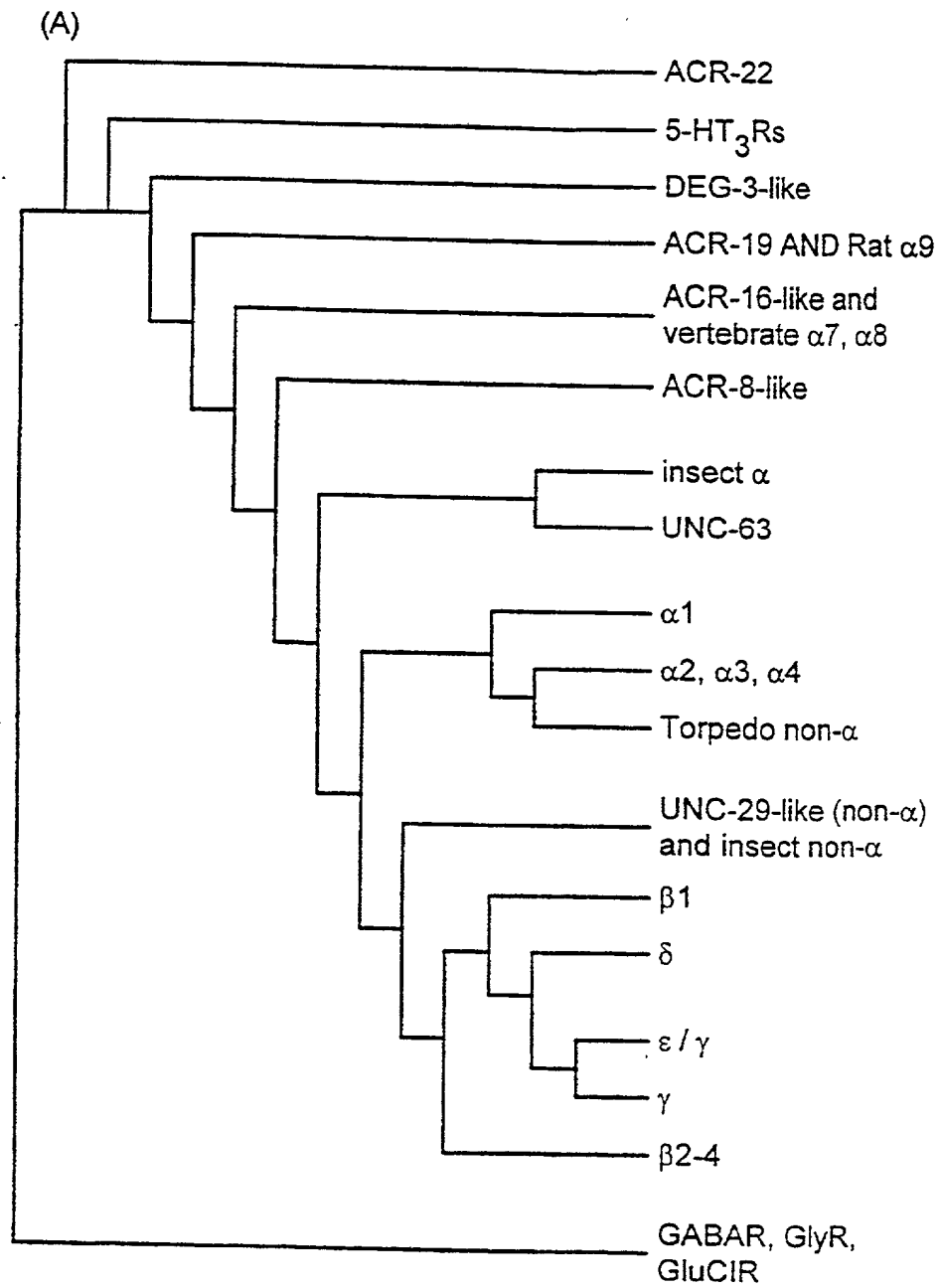


FIG. 4

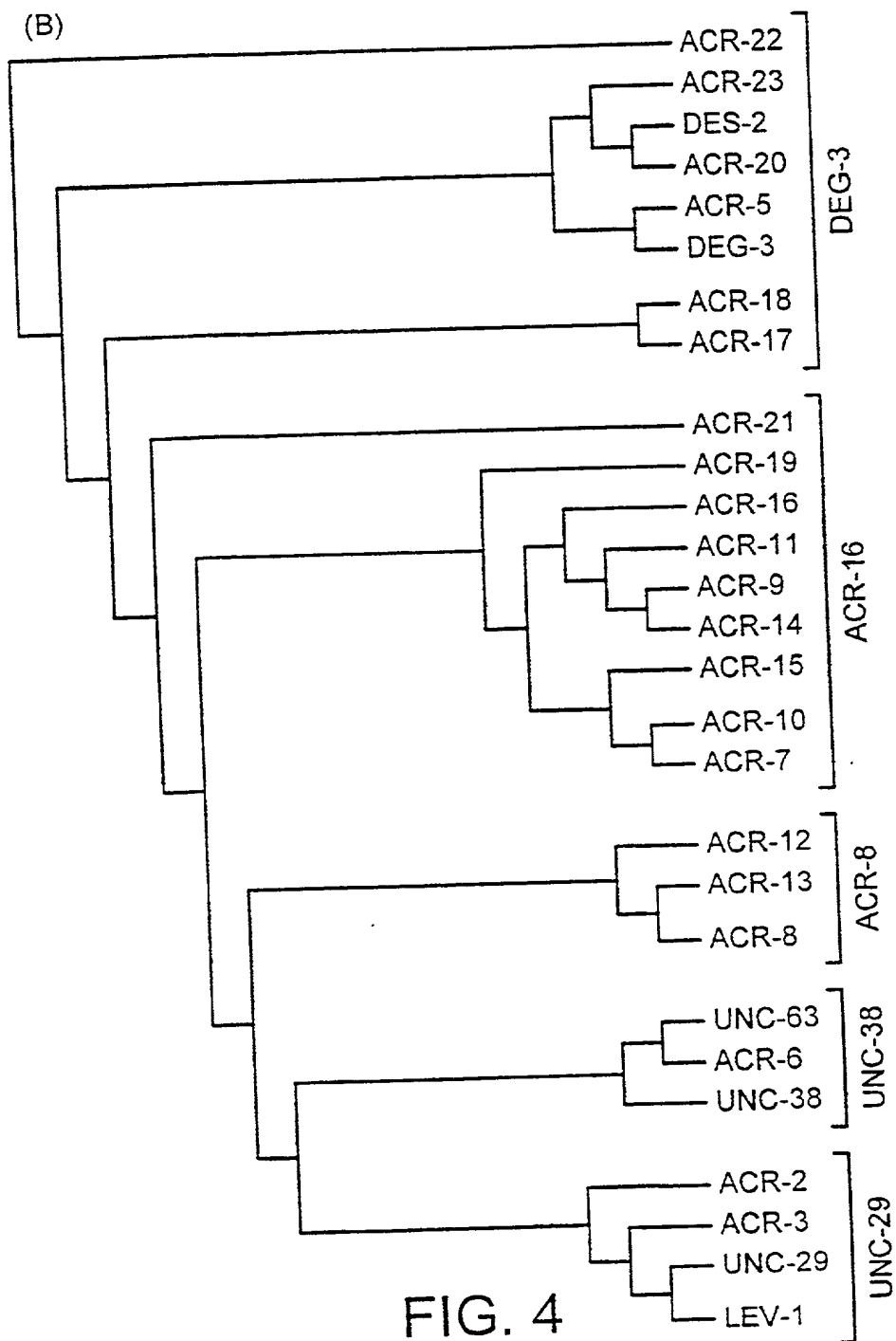


FIG. 4
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UNC-63: KGNP-----DHGFAYIIFELLSPPUANRDIN-RIFED, IADUNK[VRE]FSENGZ--TLVTFK[K]SQJLDVHEINQIMTTXVILQHSW
 UNC-38: MRSE-----LFLLLLFCISFIKIDEGNEK-RYDDNUNVRHURRSTSPNKPPTIKLALMRISOIIVHEIDQINTCSVTKQW
 LEV-1 : M4LGGGGCGAGGTWLGFLVFAVSRNHSCEDIDEDRIMVDIFRGVNSIVQPRNRSS--PMIIGMQVVLINNVDEECVMMHVVITMRW
 UNC-29: RTN-----RLSI-LVLSVVIFVVIININASIDDEERLAVDVERGVNSIQPRNNS--PLIMMAIQVLLRVDDEPCVMTTHVMTLOW

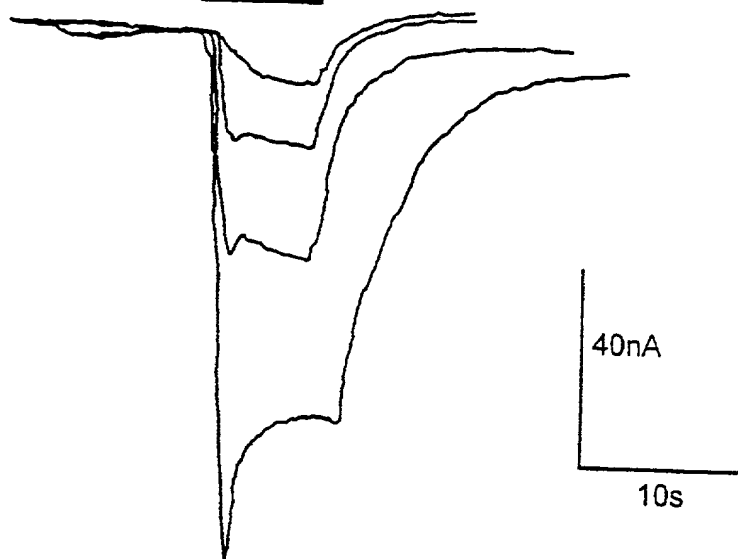
UNC-63: IWPDVLYNNADENIQTITKAKLTYNGTVEAPPATKSCQIDVEFFPFDROQCKMKGBWTGGLEAVDQHRDKHLEKEIEEDVEGVGDGPT
 UNC-38: INVDPVLYNNADENIQTITKAKLTYNGTVEAPPATKSCQIDVEFFPFDROQCKMKGBWTGGLEAVDQHRDKHLEKEIEEDVEGVGDGPT
 LEV-1 : VWPDPVLYNNADENIQTITKAKLTYNGTVEAPPATKSCQIDVEFFPFDROQCKMKGBWTGGLEAVDQHRDKHLEKEIEEDVEGVGDGPT
 UNC-29: VWPDPVLYNNADENIQTITKAKLTYNGTVEAPPATKSCQIDVEFFPFDROQCKMKGBWTGGLEAVDQHRDKHLEKEIEEDVEGVGDGPT

UNC-63: INVGGKRHSRYP-CC-ESPFIIDTYEIHRRRLLEVTVNCLFSSVGISFTALVFLPSGCKISCIHILTLFTHLVEIPSTSLVPL
 UNC-38: MSRVKRRKNYPSCCPQSAVIDTYLQRRPLLEVTVNCLFSSVGISFTALVFLPSGCKISCIHILTLFTHLVEIPSTSLVPL
 LEV-1 : MDGPAVLTSDSR-----EFQIRIRKLEFVVVLLFSTVLMAEINVTVEFFTRGKMGITMNVLEIVFLVSKLBPSTSSPL
 UNC-29: IDVPVSLVNRSR-----EFQVRIIRKLEFVVVLLFSTVLMAEINVTVEFFTRGKMGITMNVLEIVFLVSKLBPSTSSPL

UNC-63: VHYSPSTHTTTPKWKRIEVDLEFVYLLTTRPQPPGHHSKNRKF-----DSRASTFSIG--VNVLGQNSE--LLSPGINSNREESFTLPRDNP
 UNC-38: LHRPSTHTTTPKWKRIEVDLEFVYLLTTRPQPPGHHSKNRKF-----DSRASTFSIG--VNVLGQNSE--LLSPGINSNREESFTLPRDNP
 LEV-1 : IVHSPSTHTTTPKWKRIEVDLEFVYLLTTRPQPPGHHSKNRKF-----DSRASTFSIG--VNVLGQNSE--LLSPGINSNREESFTLPRDNP
 UNC-29: VVHSPSTHTTTPKWKRIEVDLEFVYLLTTRPQPPGHHSKNRKF-----DSRASTFSIG--VNVLGQNSE--LLSPGINSNREESFTLPRDNP

UNC-63: VIEDMRVLSVADRIFDITETFCAGTVVIANPSIY---DNTPAFA-----:502 [SEQ ID No. 1]
 UNC-38: IDEPMRVLSVADRIFDITETFCAGTVVIANPSIY---DNTPAFA-----:513 [SEQ ID No. 2]
 LEV-1 : FRDDMRVLSVADRIFDITETFCAGTVVIANPSIY---DNTPAFA-----:507 [SEQ ID No. 3]
 UNC-29: FRDDMRVLSVADRIFDITETFCAGTVVIANPSIY---DNTPAFA-----:493 [SEQ ID No. 4]

ACETYLCHOLINE



LEVAMISOLE



10^{-5} M LEVAMISOLE



FIG. 6

10^{-6} M MECAMYLAMINE
+ 10^{-5} M LEVAMISOLE



3×10^{-5} M LEVAMISOLE



UNC-63 LEV-1 UNC-29

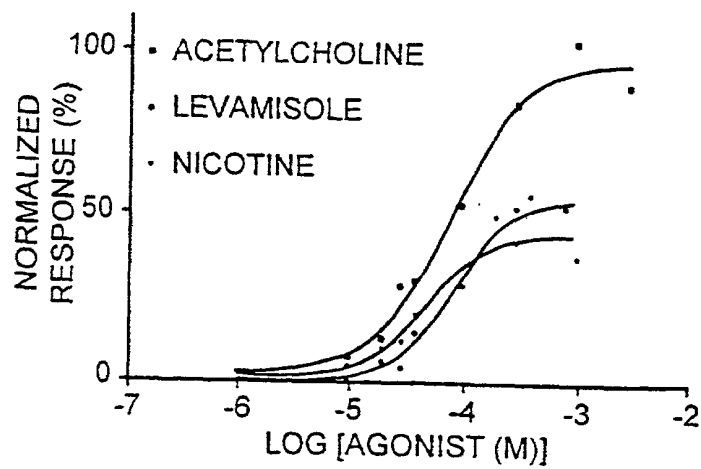


FIG. 6
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